Multipurpose Internet mail Extensions (mIME)

- > A browser needs some way of determining the format
- r without knowing the form of the document, the browner would not be able to render it, because different document formats require different rendering of w.
- > The forms of these documents are specified with

Type specification:

- y their documents could contain various kinds of text,
- 7 A web server attaches a mine format specification to the beginning of the document that is about to Provide to a browser.
- I when the browner receiver the document from a well server, it was the included mime formal specification to determine what to do with the document
- > If the content is test, for Example, the mime code tells the browser that it is text & about
 - The browner that it is sound, the mime code tells the browner that it is sound and then given the particular negreentation of sound so the browner can choose a program to which it has access to Produce the transmitted Sound.
 - 7 mine specification have the following tolon:
 type | subtype

The most common mine types are text, image & video.

The most common text subtypes are plain and him!

Tome common image subtypes are gif and jpeg.

The some common video subtypes are mpeg and quicktime.

- I A like of mime specification in stored in the configuration files of every web server.
- 7 for Ex, them tells the server that it should altach text/hem to the document before rending it to the requesting browner.
- 7 Browners also maintain a conversion table for boxing up the type of document by its file name extension.
- doesn't specify mime type, which may be the care with some older servers.
 - In all other cases, the browner gets the document type from mine provided by server.

Experimental document types:

- > Experimental Subtypes are Sometimes used.
- 7 The name of an Emperimental Multype begins with xas in video/x-movideo.

browner can call when it needs to display the content.

There programs either are External to the browner,
in which case they are called helper application

Or code moderly that are invited into the

browner, in which case they are called plug-Ins.

7 Each browner has a set of nime specifications it can handle. All can deal with text/plain and text/blain.

y sometimes a particular browner cannot hardle a specific document type, there cares are hardled by helpers or plugins

7 Et the browner does not have an application or plug-in that it needs, an error mig

FOCUSSING ON NEET MEDICAL AND UT

EACH QUESTION CARRIES 4 MARKS, FOR EACH CORRECT RESPONS
THE CANDIDATE WILL GET 4 MARKS, FOR EACH INCORRECT RESPONSE

CELL: 9346193397

DATE:12-08-2022 TIME: 3hrs CELL: 934619339

Hypertent Transfer protocol (HTTP)

> All web communication we this protoco;

> HTTP comits of two phares is request

¿ Each & HTTP communication blu browner & server consists of two parts: header & a body.

7 The header contains information about the communication and body contains the data of the communication

@ Request phase:

The general form of an HTTP request is as follows:

1. HTTP method Domain part of URL HTTP version

2. Header fields 3. Brankline

4. nemage body.

Ex: & Example 9 it line of HTTP request

GET | stolefront. ham! HTTP | 1.1

The most commonly used HTTP methods are
GET - Return the contents of the specified document
HERD -> Returns the header info for the specified document
POST -> sends form data from browner to server
POST -> Replaces the specified document with enclosed document
DELete -> Deletes the specified document.

7 GET & POST are most commodely used methods.
7 GET is used to request data from a specified resource.
7 POST is to send form data from a browder to
Server, along with a request to execute a program
On the server.

FOUT IS und to send data to a servicine to crease /update
a resource. (calling some pur allocust produce same
but poor calling port represented y, creases some resource multipleting)

jollowed by a colon & the value of the field.

There are a categories of header.

a) General: for general information such as date

b) Request: included in request headers

c) Response: For response headers

c) Entity: used in both request & response headery

one common request field in in accept, which specifies a preference of the browner for the mime type of the requested document.

7 more than one account field can to specified

En: Accept: tent/ plain

Accept: tend/ hami

Accept: Emage 19if.

7 A wild could character, the anterisk (*) can be und to specify, mine type counter anything Accept: tend *.

- > The Host; host name request field gives names of host.
- 7 If the request has a body, the length of that body must be given with a content_length field which spec gives the rength of me response
- c) The header of a request must be followed by a blank line, which is a lived to separate the header from body of the request

Ez: HATP command

@ The Response phase:

The general form of HTTP response in

- 1. Statu line
- 2. Response header fields
- 3. Blank line
 - 4. Response body.
- > The status line includes HTTP version und, a three digit status cale for the response, are a Short texture Explahation of Status case Ex: LTTP/11 200 Ox

> The statey coder begin with 1,2,3,4 or 5

AGIZ

> first digita of 47TP status cody Loro Harroffs

success

Redirection

client Errol

5 Server Eggd.

request:

GET / ~ Useri / respond. ham HTTP 1.1

Host: blane. vccs. edu

reapone:

HTTP 1.1 200 O.X

Date: sut, 25 July

Server: Apache 2.2.3

Accept ranges: bytes

content-length: 364

Contene-type: tent/html